Application No: 10521691   Version No: 4.0

            Input Set:

            Output Set:

            Started: 2009-08-18 17:46:21.738
           Finished: 2009-08-18 17:46:26.334
            Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 596 ms
     Total Warnings: 57
       Total Errors: 0
No. of SeqIDs Defined: 57
   Actual SeqID Count: 57

Error code   Error Description

W 402   Undefined organism found in <213> in SEQ ID (1)

W 402   Undefined organism found in <213> in SEQ ID (2)

W 402   Undefined organism found in <213> in SEQ ID (3)

W 402   Undefined organism found in <213> in SEQ ID (4)

W 402   Undefined organism found in <213> in SEQ ID (5)

W 402   Undefined organism found in <213> in SEQ ID (6)

W 402   Undefined organism found in <213> in SEQ ID (7)

W 402   Undefined organism found in <213> in SEQ ID (8)

W 402   Undefined organism found in <213> in SEQ ID (9)

W 402   Undefined organism found in <213> in SEQ ID (10)

W 402   Undefined organism found in <213> in SEQ ID (11)

W 402   Undefined organism found in <213> in SEQ ID (12)

W 402   Undefined organism found in <213> in SEQ ID (13)

W 402   Undefined organism found in <213> in SEQ ID (14)

W 402   Undefined organism found in <213> in SEQ ID (15)

W 402   Undefined organism found in <213> in SEQ ID (16)

W 402   Undefined organism found in <213> in SEQ ID (17)

W 402   Undefined organism found in <213> in SEQ ID (18)

W 213   Artificial or Unknown found in <213> in SEQ ID (19)

W 213   Artificial or Unknown found in <213> in SEQ ID (20)

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            Input Set:


            Output Set:



          Started:   2009-08-18 17:46:21.738
         Finished:   2009-08-18 17:46:26.334
          Elapsed:   0 hr(s) 0 min(s) 4 sec(s) 596 ms
   Total Warnings:   57
     Total Errors:   0
No. of SeqIDs Defined:   57
  Actual SeqID Count:    57
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Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)
W 402	Undefined organism found in <213> in SEQ ID (24)
W 402	Undefined organism found in <213> in SEQ ID (25)
	This error has occured more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (26)
W 213	Artificial or Unknown found in <213> in SEQ ID (27)
W 213	Artificial or Unknown found in <213> in SEQ ID (28)
W 213	Artificial or Unknown found in <213> in SEQ ID (29)
W 213	Artificial or Unknown found in <213> in SEQ ID (30)
W 213	Artificial or Unknown found in <213> in SEQ ID (31)
W 213	Artificial or Unknown found in <213> in SEQ ID (32)
W 213	Artificial or Unknown found in <213> in SEQ ID (33)
W 213	Artificial or Unknown found in <213> in SEQ ID (34)
W 213	Artificial or Unknown found in <213> in SEQ ID (35)
W 213	Artificial or Unknown found in <213> in SEQ ID (36)
W 213	Artificial or Unknown found in <213> in SEQ ID (46)
W 213	Artificial or Unknown found in <213> in SEQ ID (47)
W 213	Artificial or Unknown found in <213> in SEQ ID (48)
W 213	Artificial or Unknown found in <213> in SEQ ID (49)
	This error has occured more than 20 times, will not be displayed

<110> Okochi, Masayasu

<120> NOVEL Notch-ORIGIN POLYPEPTIDES AND BIOMARKERS AND REAGENTS USING
       THE SAME

<130> 10873.1604USWO_H1857

<140> 10521691
<141> 2005-08-31

<150> PCT/JP2003/009059
<151> 2003-03-17

<150> JP 2002-210040
<151> 2002-07-18

<160> 57

<170> PatentIn version 3.5

<210> 1
<211> 21
<212> PRT
<213> mouse

<400> 1

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr Val Ala Ala
            20

<210> 2
<211> 17
<212> PRT
<213> mouse

<400> 2

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met

<210> 3
<211> 18
<212> PRT
<213> mouse

<400> 3

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr

<210> 4
<211> 20
<212> PRT
<213> mouse

<400> 4

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr Val Ala
            20

<210> 5
<211> 22
<212> PRT
<213> mouse

<400> 5

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr Val Ala Ala Ala
            20

<210> 6
<211> 23
<212> PRT
<213> mouse

<400> 6

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr Val Ala Ala Ala Ala
            20

<210> 7

<211> 24
<212> PRT
<213> mouse

<400> 7

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr Val Ala Ala Ala Ala Phe
            20

<210> 8
<211> 25
<212> PRT
<213> mouse

<400> 8

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr Val Ala Ala Ala Ala Phe Val
            20   25

<210> 9
<211> 26
<212> PRT
<213> mouse

<400> 9

Val Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu
1   5   10   15

Met Tyr Val Ala Ala Ala Ala Phe Val Leu
            20   25

<210> 10
<211> 17
<212> PRT
<213> human

<400> 10

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met

<210> 11
<211> 18
<212> PRT
<213> human

<400> 11

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr

<210> 12
<211> 20
<212> PRT
<213> human

<400> 12

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala
            20

<210> 13
<211> 21
<212> PRT
<213> human

<400> 13

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala
            20

<210> 14
<211> 22
<212> PRT
<213> human

<400> 14

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala Ala
            20

<210>   15
<211>   23
<212>   PRT
<213>   human

<400>   15

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala Ala Ala
            20

<210>   16
<211>   24
<212>   PRT
<213>   human

<400>   16

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala Ala Ala Phe
            20

<210>   17
<211>   25
<212>   PRT
<213>   human

<400>   17

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala Ala Ala Phe Val
            20   25

<210>   18
<211>   26
<212>   PRT
<213>   human

<400>   18

Val Gln Ser Glu Thr Val Glu Pro Pro Pro Pro Ala Gln Leu His Phe
1   5   10   15

Met Tyr Val Ala Ala Ala Ala Phe Val Leu
                20   25

<210>   19
<211>   57
<212>   DNA
<213>   Artificial

<220>
<223>   Primer 1 which is derived from mouse Notch-1 gene for use in site
        spesific mutagenesis.

<400>   19
atcgtcgtcc ttgtagtctc tcaagcctct tgcgccgagc gcgggcagca gcgttag   57

<210>   20
<211>   54
<212>   DNA
<213>   Artificial

<220>
<223>   Primer 2 which is derived from mouse Notch-1 gene for use in site
        spesific mutagenesis.

<400>   20
gacaagatgg tgatgaagag tgagccggtg gagcctccgc tgccctcgca gctg   54

<210>   21
<211>   32
<212>   DNA
<213>   Artificial

<220>
<223>   Primer 3 which is derived from mouse Notch-1 gene for use in site
        spesific mutagenesis.

<400>   21
cctcgcagct gcacctcatg tacgtggcag cg   32

<210>   22
<211>   32
<212>   DNA
<213>   Artificial

<220>
<223>   Primer 4 which is derived from mouse Notch-1 gene for use in site
        spesific mutagenesis.

<400>   22

cgctgccacg tacatgaggt gcagctgcga gg   32

<210>   23
<211>   70
<212>   PRT
<213>   Artificial

<220>
<223>   Partial amino acid sequence of F-NEXT which is derived from mouse
        Notch-1 peptide and has FLAG sequence at N-terminal region.

<400>   23

Met Pro Arg Leu Leu Thr Pro Leu Leu Cys Leu Thr Leu Leu Pro Ala
1   5   10   15

Arg Ala Ala Arg Gly Leu Arg Asp Tyr Lys Asp Asp Asp Lys Met
            20   25   30

Val Met Lys Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His
        35   40   45

Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe Val Gly
    50   55   60

Cys Gly Val Leu Leu Ser
65   70

<210>   24
<211>   31
<212>   PRT
<213>   mouse

<400>   24

Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val
1   5   10   15

Leu Leu Phe Phe Val Gly Cys Gly Val Leu Leu Ser Arg Lys Arg
            20   25   30

<210>   25
<211>   31
<212>   PRT
<213>   human

<400>   25

Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val

```
1               5               10              15

Ile Ala Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys
            20              25              30
```

```
Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1               5               10              15


Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20              25              30


Ala Ala Ala Phe Val Leu Leu Phe Phe Val Gly Cys Gly
        35              40              45
```

```
Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1               5               10              15


Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20              25              30


Ala Ala Ala Phe Val Leu
        35
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<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse
      Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 28

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20   25   30

Ala Ala Ala Phe Val
        35

<210> 29
<211> 36
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse
      Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 29

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20   25   30

Ala Ala Ala Phe
        35

<210> 30
<211> 35
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse
      Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 30

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20   25   30

Ala Ala Ala
         35

<210>   31
<211>   35
<212>   PRT
<213>   Artificial

<220>
<223>   Partial amino acid sequence of F-NEXT which is derived from mouse
        Notch-1 peptide and has FLAG sequence at N-terminal region.

<400>   31

Arg Gly Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys
1   5   10   15

Ser Glu Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr
            20   25   30

Val Ala Ala
         35

<210>   32
<211>   33
<212>   PRT
<213>   Artificial

<220>
<223>   Partial amino acid sequence of F-NEXT which is derived from mouse
        Notch-1 peptide and has FLAG sequence at N-terminal region.

<400>   32

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20   25   30

Ala

<210>   33
<211>   31
<212>   PRT

<213>   Artificial

<220>
<223>   Partial amino acid sequence of F-NEXT which is derived from mouse
         Notch-1 peptide and has FLAG sequence at N-terminal region.

<400>   33

Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu Pro Val
1   5   10   15

Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala Ala
            20   25   30

<210>   34
<211>   32
<212>   PRT
<213>   Artificial

<220>
<223>   Partial amino acid sequence of F-NEXT which is derived from mouse
         Notch-1 peptide and has FLAG sequence at N-terminal region.

<400>   34

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr Val Ala
            20   25   30

<210>   35
<211>   30
<212>   PRT
<213>   Artificial

<220>
<223>   Partial amino acid sequence of F-NEXT which is derived from mouse
         Notch-1 peptide and has FLAG sequence at N-terminal region.

<400>   35

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met Tyr
            20   25   30

<210>   36
<211>   29
<212>   PRT

<213> Artificial

<220>
<223> Partial amino acid sequence of F-NEXT which is derived from mouse
      Notch-1 peptide and has FLAG sequence at N-terminal region.

<400> 36

Leu Arg Asp Tyr Lys Asp Asp Asp Asp Lys Met Val Met Lys Ser Glu
1   5   10   15

Pro Val Glu Pro Pro Leu Pro Ser Gln Leu His Leu Met
            20   25

<210> 37
<211> 23
<212> PRT
<213> mouse

<400> 37

Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe
1   5   10   15

Val Gly Cys Gly Val Leu Leu
            20

<210> 38
<211> 23
<212> PRT
<213> human

<400> 38

Leu His Phe Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe
1   5   10   15

Val Gly Cys Gly Val Leu Leu
            20

<210> 39
<211> 23
<212> PRT
<213> mouse

<400> 39

Leu Leu Tyr Leu Leu Ala Val Ala Val Val Ile Ile Leu Phe Phe Ile
1   5   10   15

Leu Leu Gly Val Ile Met Ala
            20

<210> 40
<211> 23
<212> PRT
<213> human

<400> 40

Leu Leu Tyr Leu Leu Ala Val Ala Val Val Ile Ile Leu Phe Ile Ile
1   5   10   15

Leu Leu Gly Val Ile Met Ala
            20

<210> 41
<211> 23
<212> PRT
<213> mouse

<400> 41

Leu Leu Pro Leu Leu Val Ala Gly Ala Val Phe Leu Leu Ile Ile Phe
1   5   10   15

Ile Leu Gly Val Met Val Ala
            20

<210> 42
<211> 23
<212> PRT
<213> human

<400> 42

Leu Leu Pro Leu Leu Val Ala Gly Ala Val Leu Leu Leu Val Ile Leu
1   5   10   15

Val Leu Gly Val Met Val Ala
            20

<210> 43
<211> 23
<212> PRT
<213> mouse

<400> 43

Ile Leu Cys Ser Pro Val Val Gly Val Leu Leu Leu Ala Leu Gly Ala

```
1               5               10              15

Leu Leu Val Leu Gln Leu Ile
            20


<210>   44
<211>   23
<212>   PRT
<213>   human

<400>   44

Val Leu Cys Ser Pro Val Ala Gly Val Ile Leu Leu Ala Leu Gly Ala
1               5               10              15


Leu Leu Val Leu Gln Leu Ile
            20


<210>   45
<211>   24
<212>   PRT
<213>   human

<400>   45

Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val
1               5               10              15


Ile Val Ile Thr Leu Val Met Leu
            20


<210>   46
<211>   8
<212>   PRT
<213>   Artificial

<220>
<223>   Partial amino acid sequence of transmembrane region of F-NEXT
        which is derived from mouse Notch-1 peptide.

<400>   46

Leu His Leu Met Tyr Val Ala Ala
1               5


<210>   47
<211>   10
<212>   PRT
<213>   Artificial
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<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
which is derived from mouse Notch-1 peptide.

<400> 47

Leu His Leu Met Tyr Val Ala Ala Ala Ala
1   5   10

<210> 48
<211> 11
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
which is derived from mouse Notch-1 peptide.

<400> 48

Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe
1   5   10

<210> 49
<211> 12
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
which is derived from mouse Notch-1 peptide.

<400> 49

Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val
1   5   10

<210> 50
<211> 28
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
which is derived from mouse Notch-1 peptide.

<400> 50

Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe
1   5   10   15

Val Gly Cys Gly Val Leu Leu Ser Arg Lys Arg Arg
            20   25

<210> 51
<211> 24
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
which is derived from mouse Notch-1 peptide.

<400> 51

Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe
1   5   10   15

Val Gly Cys Gly Val Leu Leu Ser
            20

<210> 52
<211> 24
<212> PRT
<213> Artificial

<220>
<223> Partial amino acid sequence of transmembrane region of F-NEXT
which is derived from mouse Notch-1 peptide.

<400> 52

Leu His Leu Met Tyr Val Ala Ala Ala Ala Phe Val Leu Leu Phe Phe
1